Amendments to the Claims:

Please amend claims 1, 13, and 26. Following is a complete listing of the claims pending in the application, as amended:

1. (Currently amended) A method for processing a microelectronic device, comprising:

fabricating a plurality of dies at an active side of a microelectronic workpiece, the dies having integrated circuitry and bond-pads coupled to the integrated circuitry;

constructing a redistribution assembly at the active side of the workpiece before separating the dies by depositing a dielectric layer over the dies and forming conductive elements having traces connected to corresponding bond-pads on the dies and ball-pads arranged in ball-pad arrays;

covering a backside of the workpiece with a protective material in a flowable state <u>before</u>

<u>separating the dies;</u> and

curing the protective material to create a protective layer on the backside of the workpiece.

- (Original) The method of claim 1, further comprising:
 attaching a plurality of solder balls to the ball-pads; and
 covering the dielectric layer with an active side protective film that surrounds at least a portion of the solder balls.
- 3. (Original) The method of claim 1 wherein covering the backside of the workpiece comprises stencil printing the material onto the backside of the workpiece.
- 4. (Original) The method of claim 1 wherein covering the backside of the workpiece comprises spraying the material onto the backside of the workpiece.
- 5. (Original) The method of claim 1 wherein covering the backside of the workpiece comprises spin coating the material onto the backside of the workpiece.

Attorney Docket No. 108298737US Disclosure No. 03-0675.00/US

- 6. (Original) The method of claim 1 wherein covering the backside of the workpiece comprises applying the material onto the backside of the workpiece in a dip bath.
- 7. (Original) The method of claim 1 wherein curing the material comprises heating the material in an environment at a temperature of approximately 50°C to 500°C for approximately 15-150 minutes.
- 8. (Original) The method of claim 1 wherein curing the material comprises heating the material in an environment at a temperature of approximately 150°C to 250°C for approximately 15-120 minutes.
- 9. (Original) The method of claim 1 wherein curing the material comprises heating the material in an environment at a temperature of approximately 150°C for approximately 120 minutes.
- 10. (Original) The method of claim 1 wherein curing the material comprises heating the material in an environment at a temperature of approximately 200°C for approximately 15 minutes.
- 11. (Original) The method of claim 1 wherein curing the material comprises heating the material in an environment at a temperature of approximately 250°C for approximately 60 minutes.
- 12. (Original) The method of claim 1 wherein the material is a polyimide, epoxybased, and/or modified silicone material.

13. (Currently amended) A method for protecting a microelectronic device, comprising:

providing a microelectronic workpiece having an active side, a backside, and a plurality of dies at the active side of the workpiece, wherein the dies include integrated circuitry and bond-pads coupled to the integrated circuitry;

covering the backside of the workpiece with a coating of protective material in a flowable state before separating the dies; and

changing the protective material to a non-flowable state.

14. (Previously presented) The method of claim 13, further comprising:

providing a redistribution assembly at the active side of the workpiece, the redistribution assembly having a dielectric layer over the dies, ball-pads arranged in ball-pad arrays corresponding to the dies, and traces coupling the bond-pads of a die to the ball-pads of a corresponding ball-pad array;

attaching a plurality of solder balls to the ball-pads; and

covering the dielectric layer with a protective film that surrounds at least a portion of the solder balls.

- 15. (Original) The method of claim 13 wherein covering the backside of the workpiece comprises stencil printing the material onto the backside of the workpiece.
- 16. (Original) The method of claim 13 wherein covering the backside of the workpiece comprises spraying the material onto the backside of the workpiece.
- 17. (Original) The method of claim 13 wherein covering the backside of the workpiece comprises spin coating the material onto the backside of the workpiece.
- 18. (Original) The method of claim 13 wherein covering the backside of the workpiece comprises applying the material onto the backside of the workpiece in a dip bath.

Attorney Docket No. 108298737US Disclosure No. 03-0675.00/US

- 19. (Original) The method of claim 13 wherein changing the protective material to a non-flowable state comprises curing the material by heating the material in an environment at a temperature of approximately 50°C to 500°C for approximately 15-150 minutes.
- 20. (Original) The method of claim 13 wherein changing the protective material to a non-flowable state comprises curing the material by heating the material in an environment at a temperature of approximately 150°C to 250°C for approximately 15-120 minutes.
- 21. (Original) The method of claim 13 wherein changing the protective material to a non-flowable state comprises curing the material by heating the material in an environment at a temperature of approximately 150°C for approximately 120 minutes.
- 22. (Original) The method of claim 13 wherein changing the protective material to a non-flowable state comprises curing the material by heating the material in an environment at a temperature of approximately 200°C for approximately 15 minutes.
- 23. (Original) The method of claim 13 wherein changing the protective material to a non-flowable state comprises curing the material by heating the material in an environment at a temperature of approximately 250°C for approximately 60 minutes.
- 24. (Original) The method of claim 13 wherein changing the protective material to a non-flowable state comprises curing the material using rapid thermal processing.
- 25. (Original) The method of claim 13 wherein the material is a polyimide, epoxybased, and/or modified silicone material.

- 26. (Currently amended) A method for fabricating a microelectronic device, comprising:
 - providing a microelectronic workpiece having an active side and a backside, the microelectronic workpiece having a plurality of dies at the active side, the dies including integrated circuitry and bond-pads coupled to the integrated circuitry;
 - fabricating a redistribution layer before separating the dies from each other, the redistribution layer having a dielectric layer over the dies, ball-pads arranged in ball-pad arrays corresponding to the dies, and traces coupling the bond-pads of a die to the ball-pads of a corresponding ball-pad array;
 - covering the backside of the workpiece with a protective material in a flowable state before separating the dies from each other; and
 - curing the protective material to create a protective layer on the backside of the workpiece.
 - 27. (Original) The method of claim 26, further comprising:attaching a plurality of solder balls to the ball-pads; andcovering the dielectric layer with a protective film that surrounds at least a portion of the solder balls.
- 28. (Original) The method of claim 26 wherein covering the backside of the workpiece comprises stencil printing the material onto the backside of the workpiece.
- 29. (Original) The method of claim 26 wherein covering the backside of the workpiece comprises spraying the material onto the backside of the workpiece.
- 30. (Original) The method of claim 26 wherein covering the backside of the workpiece comprises spin coating the material onto the backside of the workpiece.
- 31. (Original) The method of claim 26 wherein covering the backside of the workpiece comprises applying the material onto the backside of the workpiece in a dip bath.

Attorney Docket No. 108298737US Disclosure No. 03-0675.00/US

32. (Original) The method of claim 26 wherein curing the material comprises heating the material in an environment at a temperature of approximately 50°C to 500°C for

approximately 15-150 minutes.

33. (Original) The method of claim 26 wherein curing the material comprises heating

the material in an environment at a temperature of approximately 150°C to 250°C for

approximately 15-120 minutes.

34. (Original) The method of claim 26 wherein curing the material comprises heating

the material in an environment at a temperature of approximately 150°C for approximately 120

minutes.

35. (Original) The method of claim 26 wherein curing the material comprises heating

the material in an environment at a temperature of approximately 200°C for approximately 15

minutes.

36. (Original) The method of claim 26 wherein curing the material comprises heating

the material in an environment at a temperature of approximately 250°C for approximately 60

minutes.

37. (Original) The method of claim 26 wherein curing the material comprises

changing the material from a flowable state to a non-flowable state using rapid thermal

processing.

38. (Original) The method of claim 26 wherein the material is a polyimide, epoxy-

based, and/or modified silicone material.

39-69. (Cancelled)

7